

Variable geometry camshaft for IC engine has radially adjustable cam segment to vary valve stroke

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Inventor: DENGLEDER STEFAN (DE); SERIFSOY MURAT (DE)

Applicant: AUDI NSU AUTO UNION AG (DE)

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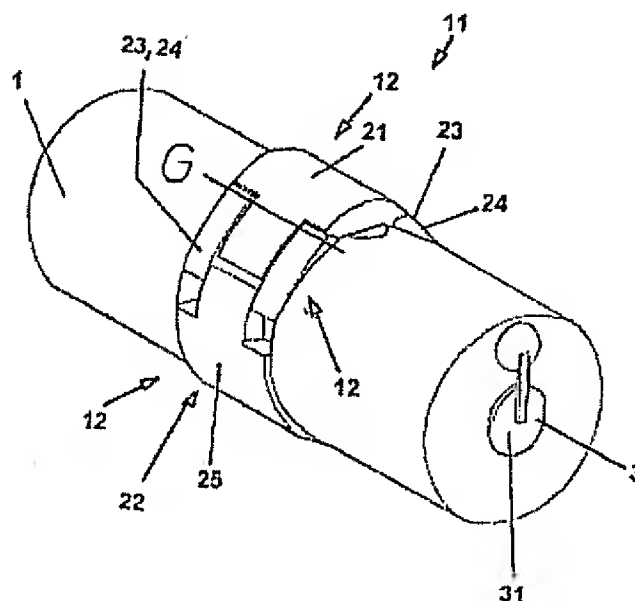
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Abstract of DE10030904

A variable geometry cam for an IC engine has a segmented cam fitted to a hollow camshaft and with the geometry control via axially moving control shafts inside the camshaft. The cam profile includes a centre segment (21) whose radial position is adjustable, to vary the amplitude of the cam follower and hence the stroke of the valve. The segment is flanked on each side by two side segments (23, 24) which define the valve opening and closing sequences. The side segments are on tilt mountings to ensure that the cam follower has a progressive displacement for all radial settings of the central segment.



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